

Application No.: 10/784748

Case No.: 55375US007

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3 (cancelled)

4. (original) A mold for use in the production of a substrate for plasma display panel, which is subjected to antistatic finish.

5. (original) The mold according to claim 4, wherein the antistatic finish is conducted by imparting ionic conductivity.

6. (original) A mold for use in the production of a substrate for plasma display panel, comprising:

an acrylic base material,
an ionic conductive substance dispersed in the acrylic base material, and
a medium which is dispersed, thereby making it possible to ionize the ionic conductive substance.

7. (original) The mold according to claim 6, wherein the acrylic base material is made of a cured article of urethane acrylate, polyester acrylate or polyether acrylate and has pliability.

8. (previously presented) The mold according to claim 6, wherein the medium is propylene carbonate, ethylene glycol or lactone, or a derivative thereof.

9. (previously presented) The mold according to any one of claim 6, wherein the ionic conductive substance is lithium perchlorate.

10. (original) A method of producing a substrate for plasma display panel comprising a plate and ribs provided on the plate,

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(A) which comprises the steps of:
a rib precursor supplying step of providing a precursor of the ribs on the plate,
a rib precursor filling step of filling a pliable and antistatically treated mold
having at least groove portions provided in parallel with each other at a fixed distance, with the
rib precursor,

a rib precursor molding step of curing the rib precursor to form a molded article,
and

a rib molded article transferring step of removing the mold and transferring the
molded article to the plate, and

(B) in which:
the mold is pressed along the groove portions from one end to the other end of the
groove portions provided thereon in the rib precursor filling step.

11.(New) A method of producing a substrate comprising a plate and ribs provided on the
plate comprising:

providing a pliable mold having a groove portion;
positioning the groove portions of the mold by adjusting the temperature and humidity;
providing a rib precursor between the substrate and mold;
filling at least the groove portions of the mold;
curing the rib precursor; and
releasing the mold.

12.(New) The method of claim 11 wherein the mold and substrate expand and contract
according to a change in temperature and humidity and the degree of expansion and contraction
varies relative to each other.

13.(New) The method of claim 11 where after positioning the mold, the temperature and
humidity are maintained within a fixed range.